

**To:** Saari, Christopher A - DNR  
(Christopher.Saari@Wisconsin.gov)[Christopher.Saari@Wisconsin.gov]; Egan,  
Robert[egan.robert@epa.gov]  
**From:** Dave Larsen  
**Sent:** Tue 2/16/2016 8:55:25 PM  
**Subject:** FW: Tower Standard Notes  
[IMG\\_4031.pdf](#)  
[IMG\\_4035.pdf](#)  
[Water Disposal Forms and Invoices.pdf](#)  
[IMG\\_3947.pdf](#)  
[IMG\\_3954.pdf](#)  
[IMG\\_4026.pdf](#)  
[IMG\\_4028.pdf](#)

Chris and Bob, I have attached copies of the REI water disposal records specific to Tower Standard following the well development and sampling events in November 2015. REI had containerized the development water and decon water and arranged for disposal at the City of Wausau Waste Water Treatment Facility. A total of 1,313 gallons of water was transported to the treatment facility on November 16, 2015. According to our previously submitted well development logs we recovered a total of 1,219.5 gallons of water. We also had 2 drums of auger and well development decon water that brought the total to 1,313 gallons. Additionally another 35 gallons of purge water was generated during the low flow sampling scope of services. This water was transported to the treatment facility on December 21, 2015. Copies of the Wausau Water Works invoices are also included.

I have also included photographs documenting REI activities:

**IMG\_3947:** Documents 40 55-gallon drums placed behind the old gas station for both soil cuttings and liquid waste containment.

**IMG\_3954:** Documents auger decon pad and liquid waste containment. Pad designed to pond decon water in corner, all liquid waste pumped via electric sump pump into 55-gallon drum.

**IMG\_4026:** Drums of soil cuttings. Note drums are labeled with generation location and date sealed.

**IMG\_4026:** Drums of soil cuttings and development/decon water. Most drums were left adjacent to well until REI personnel returned with a liftgate truck and REI personnel assembled all soil drums in common area for subcontractor to pick up and transport to the Lincoln County Landfill biopile. REI personnel managed all development, decon and purge water disposal.

**IMG\_4031:** More drums filled with soil cuttings.

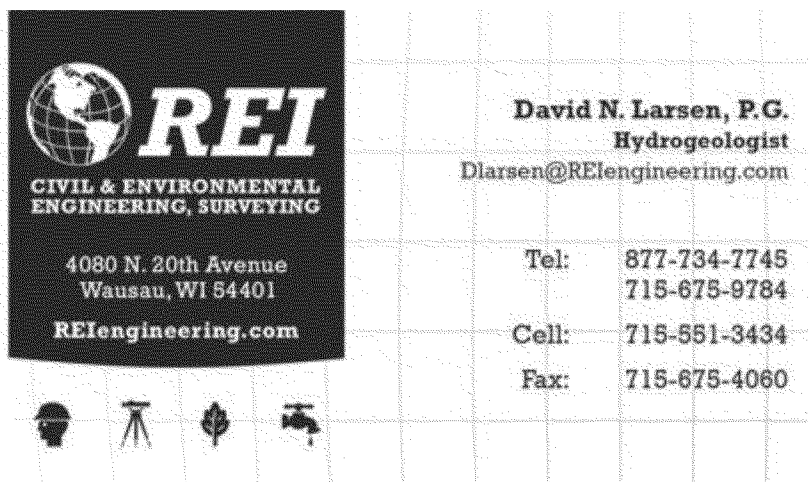
**IMG\_4035:** REI transporting last of development, decon and purge water drums from job site.

Feel free to contact me if you require further documentation of REI investigative waste disposal practices.

Thank you,

David N. Larsen P.G

Hydrogeologist / Professional Geologist



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**From:** Saari, Christopher A - DNR [<mailto:Christopher.Saari@wisconsin.gov>]  
**Sent:** Monday, February 15, 2016 2:22 PM  
**To:** Dave Larsen <[dlarsen@reiengineering.com](mailto:dlarsen@reiengineering.com)>  
**Subject:** RE: Tower Standard Notes

Hi Dave:

As you and I discussed on February 8, since these comments came from the tribe and not EPA, Bob Egan wasn't able to provide much more detail on either of the comments. We were really more focused on improving communications going forward. In terms of the water dumping complaint, I suggested that you might have documentation of proper disposal (paid invoices, etc.) of purge/decon water at a POTW; EPA thought that might be a helpful thing to share.

One other thing that I forgot to mention; EPA was hoping to get copies of your field notes for soil boring/monitoring well installations. They thought it would provide a better picture of field activities. We explained that this isn't a common practice on PECFA sites, but Egan indicated that these types of notes are routinely provided by EPA's contractors.

We can talk more about this tomorrow if you'd like.

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Chris Saari

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[Christopher.Saari@Wi.gov](mailto:Christopher.Saari@Wi.gov)

**From:** Dave Larsen [<mailto:dlarsen@reiengineering.com>]  
**Sent:** Friday, February 12, 2016 10:11 AM  
**To:** Saari, Christopher A - DNR  
**Subject:** RE: Tower Standard Notes

Chris, can you also please follow up with the discussion you had with Bob Egan regarding the comments in the 12-3-15 LDF letter. My concerns are specific to the notification of work comments and the complaint regarding REI staff "dumping contaminated water into Haskell Lake".

Thank you,

David N. Larsen P.G

Hydrogeologist / Professional Geologist



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**From:** Saari, Christopher A - DNR [<mailto:Christopher.Saari@wisconsin.gov>]  
**Sent:** Monday, February 08, 2016 11:33 AM  
**To:** Dave Larsen <[dlarsen@reiengineering.com](mailto:dlarsen@reiengineering.com)>  
**Subject:** Tower Standard Notes

Hi Dave:

To help with our conversation, here are some bullets that summarize the DNR/EPA meeting:

- For now the VI assessment is on hold. EPA is going to offer LDF this choice: Would they rather have Bristol Environmental do the VI assessment (and wait several weeks/months for results) or have REI do it and get results sooner?
- It would be good for all parties if we could figure out a way to share data as it becomes available. DNR has an FTP site, but that would require me to get information from you and then move it to that site. Likely the most efficient method would be if you could provide to DNR, EPA and LDF access to REI's file share service. You could then email all parties when new information becomes available, and we'd all have access to it at the same time.
- I believe that the cost request had approval for a second round of groundwater sampling. We were hoping that you could conduct the second round concurrently with the hydraulic conductivity testing, so that all of that information would be available around the same time. It leads into the next point. Also, do you have a guess as to when you might be able to perform these tasks?
- Based on our discussions, you can start thinking about a cost request for the installation of 17 monitoring wells (in nested sets). We will select locations and depths once we get a better handle on the data.
- Would you be available on February 19, 22 or 26 for a technical meeting with DNR, EPA and LDF? Location TBD, but probably at LDF or Rhinelander. The Kozaks might also be needed for this meeting, but my notes are unclear.

- Would you (and the Kozaks) be available for a follow-up meeting during the week of March 21?

Thanks. Hope to talk to you at some point today.

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Visit our survey at <http://dnr.wi.gov/customersurvey> to evaluate how I did.

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